

ComproPVR User's Guide

Version 1.1

Compro Technology, Inc.
www.comprousa.com

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1 Introduction

ComproPVR is a complete digital entertainment solution for your PC. Watch TV programs on your PC, in full-screen mode or in a window. Timeshifting lets you watch TV, pause live TV, or review your favorite scenes without missing a minute of the program. Integrated deinterlacing technology assures the highest picture quality. All this, with the industry's first universal remote control.

You can watch and record your favorite shows, or capture video from a video device such as a video camera for later editing with your own video editing software.

ComproPVR gives you complete control of TV viewing by letting you watch, record, or timeshift live TV programming on your PC. A multi-channel preview mode supports channels surfing and tuning.



As a digital video recorder, ComproPVR can convert analog video sources, such as TV programs, home video tapes, to MPEG-1 or MPEG-2 digital formats for editing and recording to a CD or DVD. Easy-to-use video quality presets simplify the recording process.

Note

ComproPVR cannot duplicate VHS tapes and DVDs protected by Macrovision™ technology.

Video editing and authoring software are available separately.

Key Features

- Supports full Compro product line, including, VideoMate Cinema, VideoMate TV PVR, VideoMate TV, VideoMate TV Gold, VideoMate TV Gold Plus, VideoMate Live USB 2.0, and VideoMate For You USB 2.0.
- Easy installation.
- Watch, record, and timeshift live TV.
- Scheduled recording.
- 16-channel surf-mode.
- Focus on ease-of-use by providing user interfaces that resemble those you are already familiar with, including wireless remote control.
- Supports up to 125 TV channels. View all available TV programming.
- Supports S-Video and composite video inputs.
- Capture video from analog video sources and encode them to digital MPEG-1 or MPEG-2 formats.

Other Features

Scheduling: Schedule ComproPVR to record your favorite shows at a later date or periodically. Supports Power Up scheduling if your hardware supports it, i.e. VideoMate TV Gold and VideoMate TV Gold Plus.

Timeshifting: Pause or Replay live TV without interrupting an ongoing recording session.

Channel Surfing: Quick overview of channels in a 4x4 thumbnail grid.

Closed Caption: Display overlaid text information, where available.

Capture: Capture still images from TV programs.

Display Window: Watch TV programs in a scalable display window or in full screen mode.

Installation

Usually, ComproPVR is automatically installed upon inserting the installation CD into your CD drive. Follow the instructions of the software installer.

You can also manually install it by inserting the installation CD. Open Explorer, double-click on the “setup.exe” in the folder named ComproPVR. ComproPVR will be installed right away.

Updates

User satisfaction is the first priority for Compro Technology. Your opinion is crucial in improving our products. Therefore, Compro Technology is continuously improving our products. You can download the latest version of ComproPVR from our website at

<http://www.comprousa.com/download>

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After downloading the patch files of ComproPVR, just double-click the update file. It will automatically start the installation program. Restart the computer when prompted.

Note

A version of ComproPVR must be installed on your computer to install the updates.

Remove the Software

You can remove ComproPVR through “Add/Remove Programs” in Control Panel. Find the ComproPVR entry in and click on the "Remove" button. ComproPVR will be removed from your computer.

2 Remote Control

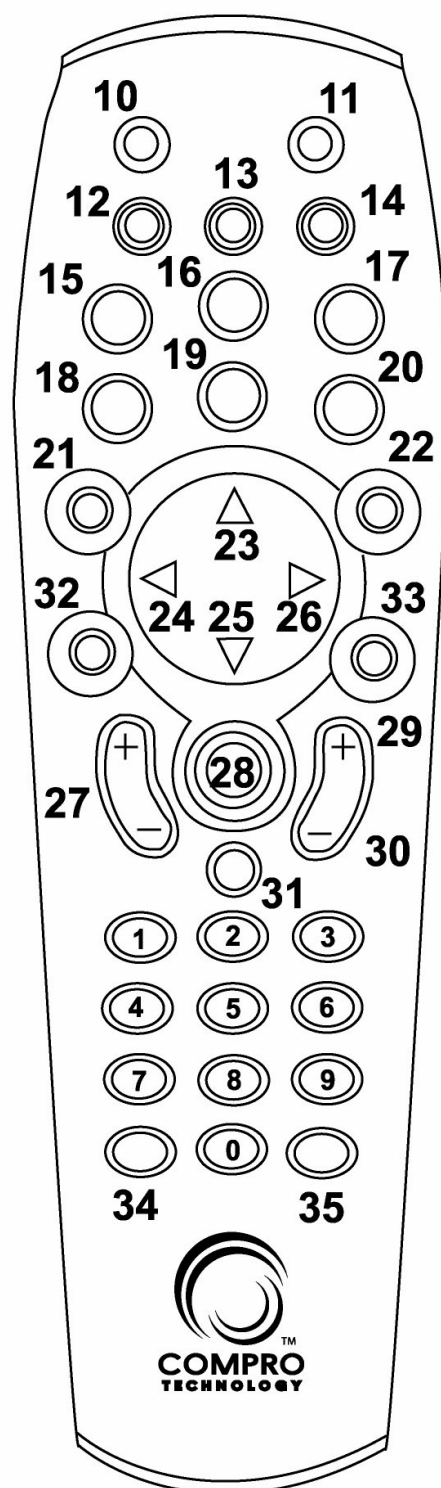
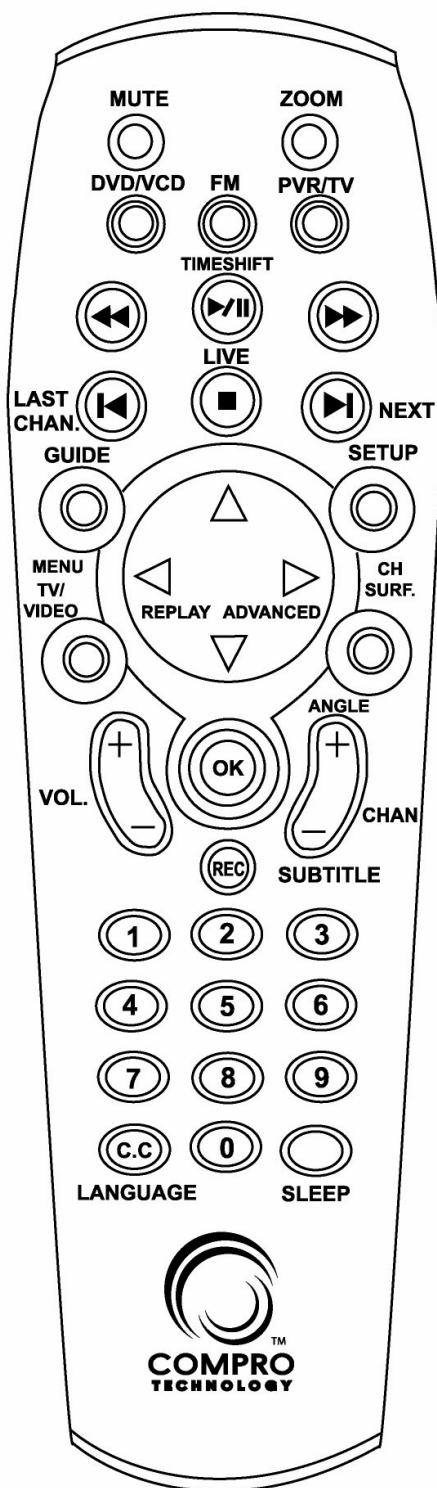
Definitions and Usage

Remote control keypad lets you control the ComproPVR application with a familiar, user-friendly interface.

The next two pages describe how to use the remote control to operate ComproPVR.

Note

The Compro remote control cannot be reprogrammed to control other appliances such as your VCR or satellite decoder box.



Remote Control

Number	ComproPVR Function	ComproFM Function
0-9	Number keys	Pre-set stations
10	Mute sound	Mute
11*	Zoom In/Out (Full Screen)	Not used
12	Start/Stop ComproDVD	Start/Stop ComproDVD
13	Start/Stop ComproFM	Start/Stop ComproFM
14	Start/Stop ComproPVR	Start/Stop ComproPVR
15	Replay	Rewind
16	Pause when playing MPEG files or enable timeshifting when watching live TV	Play/Pause during playback
17	Advance	Forward
18	Jump to previous channel	Jump to last channel
19	Stop MPEG file playback or stop timeshifting mode	Not used
20	Tab function in play list	Tab function in play list
21	Open the on-line help file	Open on-line help file
22	Open setup dialog box	Open properties setup dialog box
23	Up Arrow	Up Arrow
24	Replay	Not used
25	Down Arrow	Down Arrow
26	Advance	Not used
27	Volume Adjustment	Volume Adjustment
28	Open play list	Open play list
29	Channel Up	Channel Up
30	Channel Down	Channel Down
31	Record	Record
32	Video source select: TV, S-Video, Composite	Not used
33	Channel surfing	Not used
34*	Closed caption	Not used
35*	Enable and setup sleep timer	Enable and setup sleep timer

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Note

Not all Compro remote controls have the same keypad. Buttons noted by an asterisk (*) may not be available on your remote control keypad.

The FM function is only supported with VideoMate TV Gold Plus.

3 ComproPVR User Interface

Control Panel

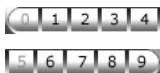
The ComproPVR control panel resembles the controls on a VCR. Keep in mind that not all options are available at all times, and may be grayed out or inaccessible depending on your hardware setup and TV services available. The following pages describe the ComproPVR control panel functions, and tips for using ComproPVR.



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Icon	Keyboard or Mouse Shortcut	Description
	Alt-Space-N	Minimize ComproPVR.
	Z	Maximize ComproPVR,
	Ctrl-W	Exit ComproPVR
	None	Enable/Disable Always-on-Top function for TV window.(Green circle on the upper-right corner of the TV window)
	Page Down or Mouse Scroll Down	Channel Down - Jump down to next available channel
	Page Up or Mouse Scroll Up	Channel Up - Jump up to next available channel
	N	Last Channel - Jump back to last selected channel
	R	Record – Start/stop recording TV to a file
	None	Online Help System - Open HTML help file
	V	Video Source Switch – TV, S-Video or Composite
	T	Activate Timeshifting mode
	F	Surfing - Browse thumbnail images of available channels
	C	Enable Closed Captioning
	None	Schedule - Open window for scheduling recordings, or reminders for program times
	P	Still Capture - Capture still images of current program
	S	Options - Open ComproPVR options window

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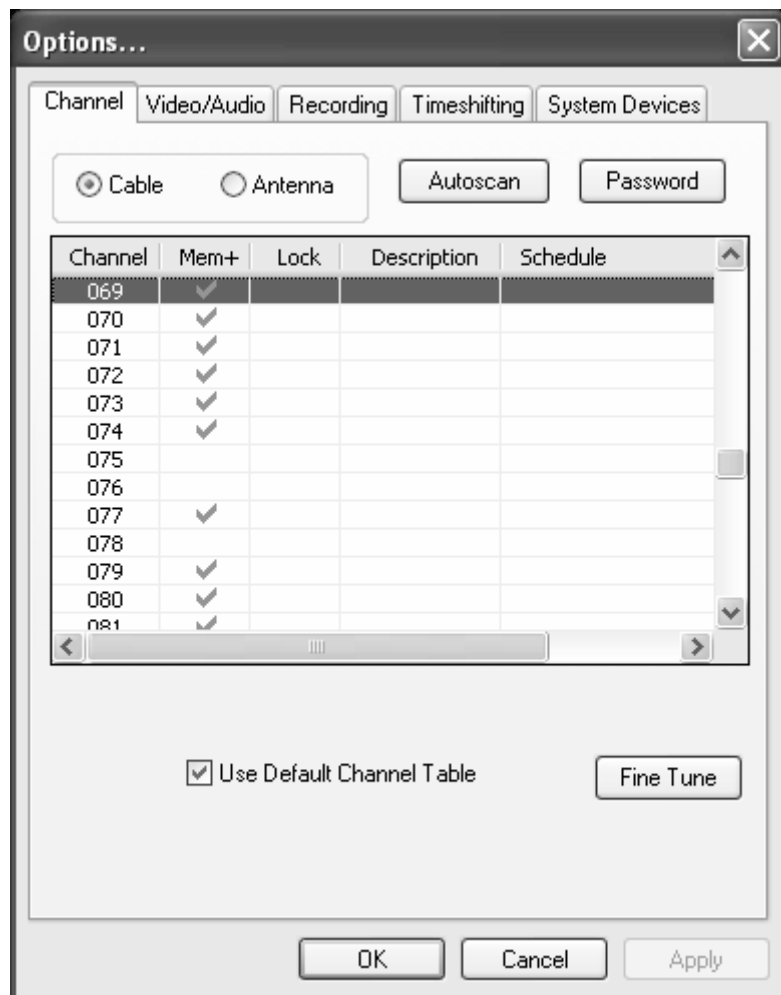
Icon	Keyboard or Mouse Shortcut	Description
	M	Mute - Press to mute or restore sound
	None	About window - Shows version number and other information
	None	Open a browser window and go to the Compro web site.
	Space bar	Play - Begin playback of recorded program
	O	Stop - Stop current action, e.g., recording, playback, Timeshifting.
	Left Arrow	Replay
	Right Arrow	Advance
	Space bar	Pause - Suspend current action, e.g., playback, live TV and recording.
	+ Increase - Decrease or Shift + Mouse Scroll UP and Down	Volume Control - Increase or decrease sound intensity
	None	Show/Hide number pad
	Number Pad	Type in the channel number
n/a	L	Sleep function.
n/a	Ctrl + Mouse Scroll UP and Down	Switch Audio modes (Mono, Stereo, SAP)

Configuration

Use the ComproPVR options menus to control how ComproPVR looks and functions. Click on the **Options**  button to open the Options dialog box. The Options dialog box is composed of tabbed pages, each with its own group of feature-specific settings.

Channel Options

The Channel options page lets you customize and configure your TV channel list. ComproPVR can automatically scan your cable or antenna signal for available channels. You can label and identify the enabled channels, as well as include or exclude channels from the channel surfing list.



Follow these steps to customize and configure your channel list.

Video Source

First, select your video source, **Cable** or **Antenna**.

Autoscan

The first time you start ComproPVR, Autoscan will automatically scan for available TV channels for both Cable signal and Antenna signals. You can rescan the channels at any time by pressing the **Autoscan** button.

1. ComproPVR will automatically scan all available channels for content. The number of scanned channels varies according to whether you use antenna or cable TV input and your country settings.
2. You can interrupt the scanning process by pressing the **Stop** button.
3. When **Autoscan** is finished, detected channels are automatically enabled and marked with the green check mark ☒. Channels, where a valid signal could not be detected, are disabled and marked with a blank.

After you are finished scanning for available channels, you may select **OK** to return to the display window, or customize the channel list according to your preferences, as described below.

Channel Naming

You can customize the channel names by following these steps.

Step1. Double-click on the **Description field** of the channel you wish to rename.

Step2. Type a new name in the text box.

Step3. Repeat steps 1 through 2 for any other channels you wish to rename.

Step4. Click **OK** to confirm your modifications.

Set Mem+

During the **Autoscan** process, ComproPVR automatically detects and enables channels with valid signal. By default, every available channel will be enabled and marked with the green ☒ icon. However, you can shorten the list of enabled channels to reduce channel-browsing time. Customize your list by enabling or disabling channels from the channel list by clicking on the green ☒ icon.

Disabled channels will not shown when you use the channel Up and Down or channel surfing functions.

Set Lock (Parental Control)

By default, ComproPVR lets you access all available channels. A Parental Control feature allows you to restrict the viewing of certain channels altogether or during limited times.

You can lock a channel by clicking in the column labeled **Lock** next to the channel number you wish to restrict. You will then see a red check mark ☒ in the box next to the channel. You can unlock it by clicking the check mark.

To use this feature, you should first set a password and follow these steps:

Step1. Start ComproPVR and click on the **Options** button and select the **Channels** tab.

Step2. Click on the **Password** button and enter the new password in the fields labeled **Password** and **Confirm**.

Step3. If you previously set a password, you must also enter the old password in the appropriate field.

Step4. Click on the **OK** button.

Change Password

Click on the **Password** button. Enter the old password in the field labeled **Old Password**. Then enter the new password in the field labeled **Password** and **Confirm**.

Fine Tuning

ComproPVR includes a fine-tuning feature. Select the channel you wish to fine tune and press the button labeled, "Fine Tune." You may then adjust the slider and then press the button labeled, "Exit."

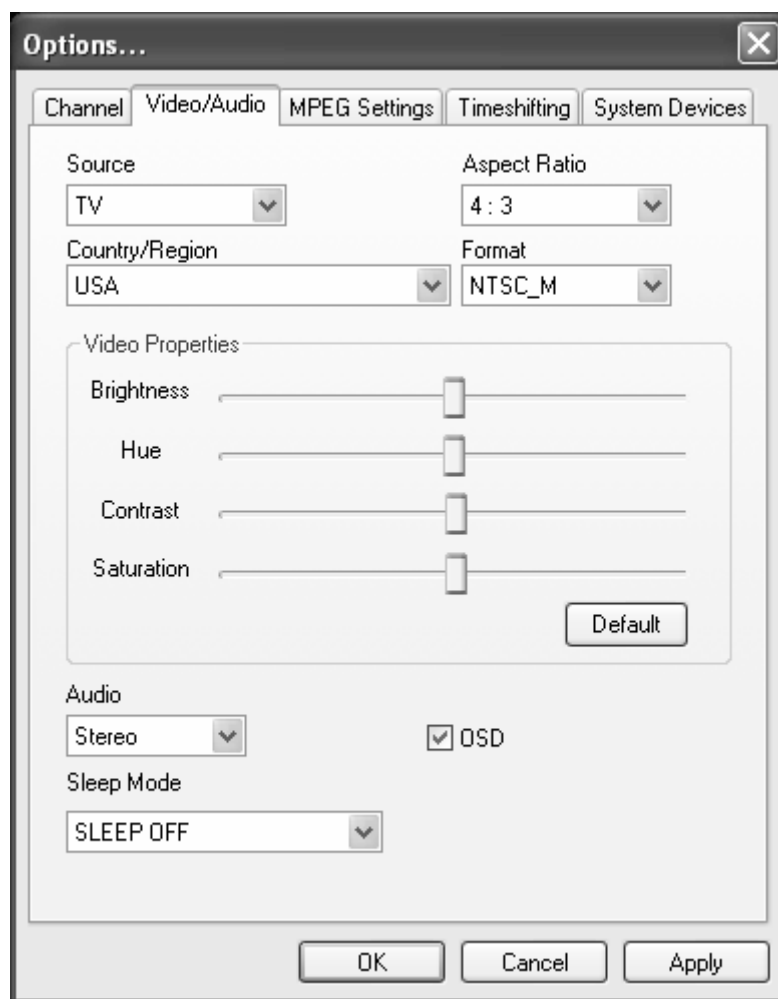
Fine-tuning is normally unnecessary.

Use Default Channel Table

The channel table contains data used to tune TV channels. This should be selected, i.e., enabled, unless you are otherwise instructed.

Video/Audio Options

The Video/Audio options tab lets you configure the way ComproPVR displays video and audio.



Note

Please verify all TV settings before using ComproPVR for the first time or if you are experiencing difficulties, such as "No video."

Source

Select the video source from among TV, S-video, or Composite. Also you can click the  button on the control panel to switch video sources.

Country/Region

Use the pull-down menu to select the country you are in. This allows ComproPVR to use the correct set of frequencies for TV tuning.

Video Format

Select the proper video format for your area from the drop-down menu. The options available depend on the standards supported by the TV tuner in your system.

The NTSC standard is used in United States, Canada, Japan, Taiwan and parts of Central and South America. It specifies 525 lines of display at 30 frames per second.

The PAL standard is used in most of Europe, Australia, China and parts of Central and South America, and specifies 625 lines at 25 frames per second.

Additionally, each TV system uses slightly different frequencies. Therefore, it is important to choose the correct settings.

Aspect Ratio

Select the display screen aspect ratio, the ratio of screen width to screen height. The default ratio is 4:3. You may also choose the 16:9 wide-screen or custom ratios.

If you select a standard ratio, i.e., 4:3 or 16:9, the screen will retain this ratio when you resize it. If you select a **Custom** ratio, you can modify the ratio by clicking and dragging the lower-right corner of the ComproPVR display window.

Video Properties Sliders

Use the sliders in this area to adjust:

- Brightness: Adjusts the amount of white in the image.
- Hue: Adjusts whether the image looks red, green, blue, yellow, orange, etc.
- Contrast: Adjusts the gradation of tone between the

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image highlights, mid-tones, and shadows.

- **Saturation:** Adjusts the color intensity of the image.

Press the **Default** button to reset the sliders to their original positions.

Note

Pressing the **Default** button for Video Properties sometimes fixes the situation where you have audio but a blank (black) or off-color video.

Audio Mode

You can select Stereo, Mono or SAP in this dialog box.

Note

Stereo and SAP sound may not be available in your area or for all programs in your area.

Turn on OSD

When you select the checkbox next to **Turn on OSD** (On-Screen Display), channel information such as channel numbers, channel names, and audio quality will be displayed as you switch channels. When this box is unchecked no information will be displayed.

Sleep Mode

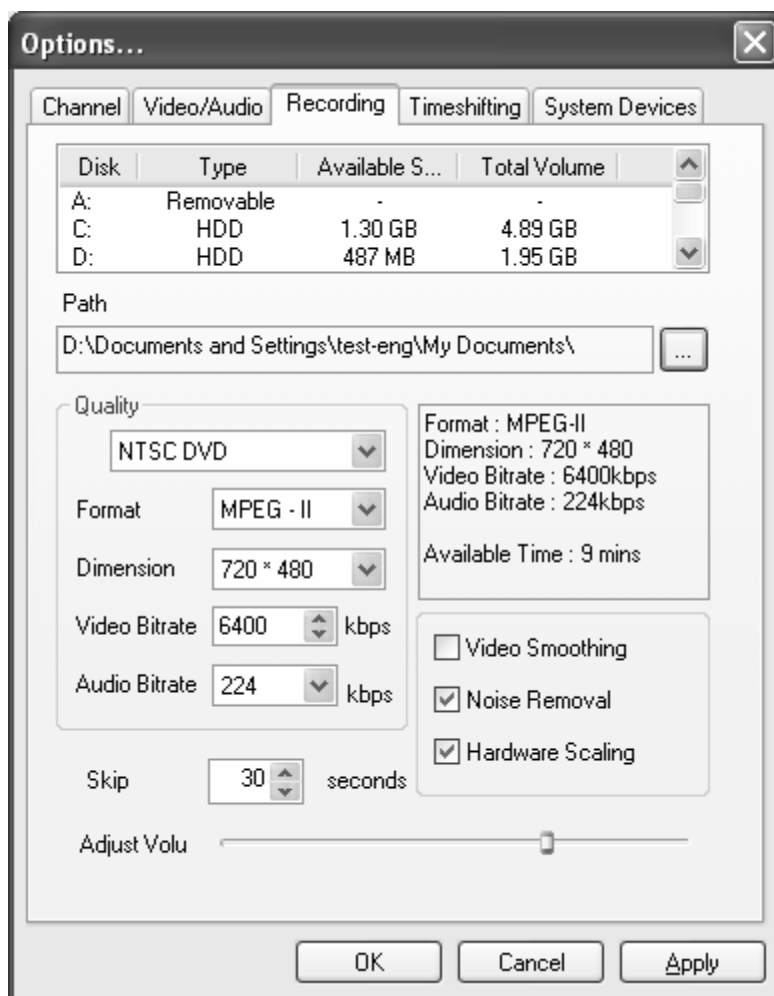
You can enable sleep mode and set the time delay before ComproPVR automatically shuts itself off.

Recording Options

Here, you can see the hard disk space available for recording. You can also set the storage destination folder and MPEG recording quality parameters.

Note

You won't see this tab when using VideoMate Live. Please see the MPEG Settings below for relevant options.



Recorded Programs Folder (Path)

Click on the  button to set the folder where recorded programs are stored. Check that you have ample disk space to store recorded programs.

Recording Quality

Here you can select the video and audio quality settings of recorded programs. ComproPVR includes useful quality presets, from VCD to DVD-quality.

You can also use custom settings by following these steps.

Format: Choose between MPEG-1 or MPEG-2 video encoding formats. For example, select MPEG-1 if you want VCD format or select MPEG-2 if you want SVCD format.

Dimension: Select the recording resolution, from 160x120 to 720x480.

Video Bit rate: Video bit rate is expressed in kilobits per second. The higher the bit rate, the more processing power and disk space are required to record and playback video programs.

Audio Bit rate: Audio bit rate is expressed in kilobits per second. The higher the bit rate, the more processing power and disk space are required to record and playback video programs.

Current settings are shown on the right side of dialog box. They will tell you the available recording time using the current settings.

Note

Using higher quality settings can cause significantly greater disk utilization without commensurately higher quality results. If you have limited free disk space, you should try different quality levels or bit rates to find the optimal combination of video quality and disk space utilization for your needs.

The SVCD profile is sufficient for recording live TV.

Not all formats are available for all products.

Skip

Set the amount of programming skipped, in seconds, when you press the **Replay** and **Advance** buttons during video playback.

Video Smoothing

Enable the video smoothing function during recording. Video smoothing makes the video recording quality smoother but it increases CPU utilization.

Noise Removal

Remove video "noise" during MPEG encoding. It makes images more clear and clean. This function increases CPU utilization.

Hardware Scaling

Enable the hardware scaling function during recording. It is recommended to turn this on.

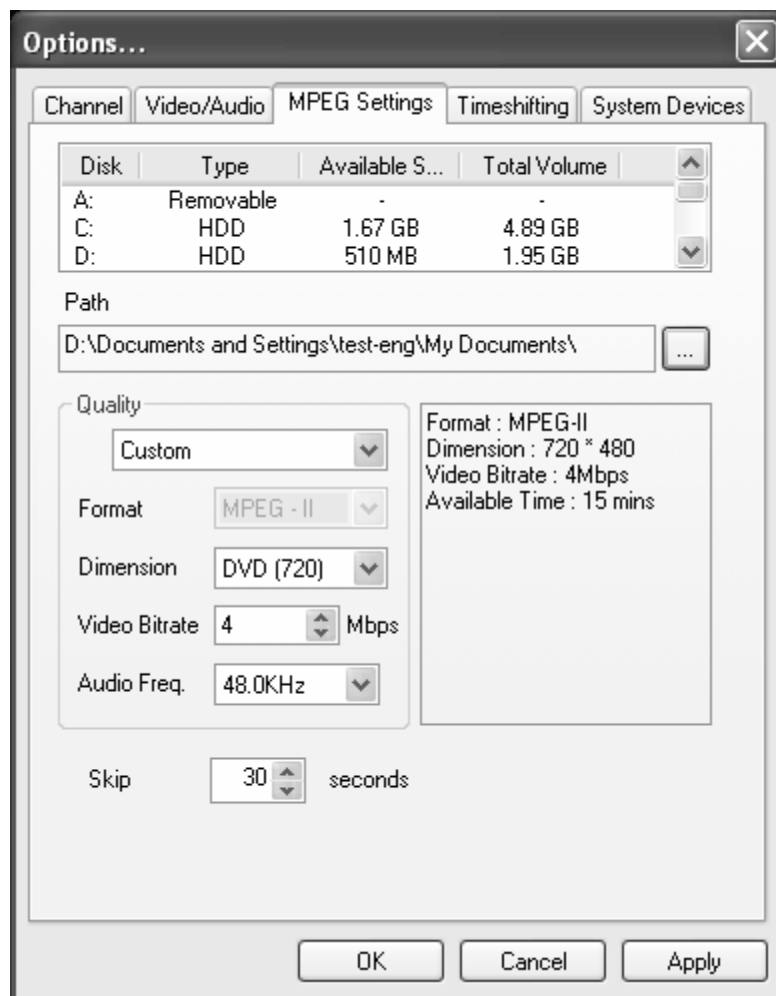
Adjust Volume

You can adjust recording audio volume here. Moving the bar to the right will increase recording audio volume.

MPEG settings (VideoMate Live only)

This tab appears only if you are using VideoMate Live USB 2.0.

Here, you can change settings related to video recording. You can see the hard disk space available for recording and set the default storage destination folder. You can also optimize the MPEG recording quality parameters to meet your requirements.



Recorded Programs Folder (Path)

Click on the  button to set the folder where recorded programs are stored. Check that you have ample disk space to store recorded programs.

Recording Quality

Here you can select the video and audio quality settings of recorded programs. ComproPVR includes useful quality presets, from VCD to DVD-quality.

You can also use custom settings by following these steps.

Dimension: Select the recording resolution, from VCD to DVD-quality.

Video Bit rate: Video bit rate is expressed in Megabits per second. The higher the bit rate, the more processing

power and disk space are required to record and playback video programs.

Audio Frequencies: Choose between 44.1KHz and 48KHz audio frequencies.

Current settings are shown on the right side of dialog box. They will tell you the available recording time using the current settings.

Note

Using the highest quality settings can significantly increase disk and CPU utilization without commensurately increasing picture quality. If you have limited free disk space, you should try different quality levels or bit rates to find the optimal combination of video quality and disk space utilization for your needs.

Skip

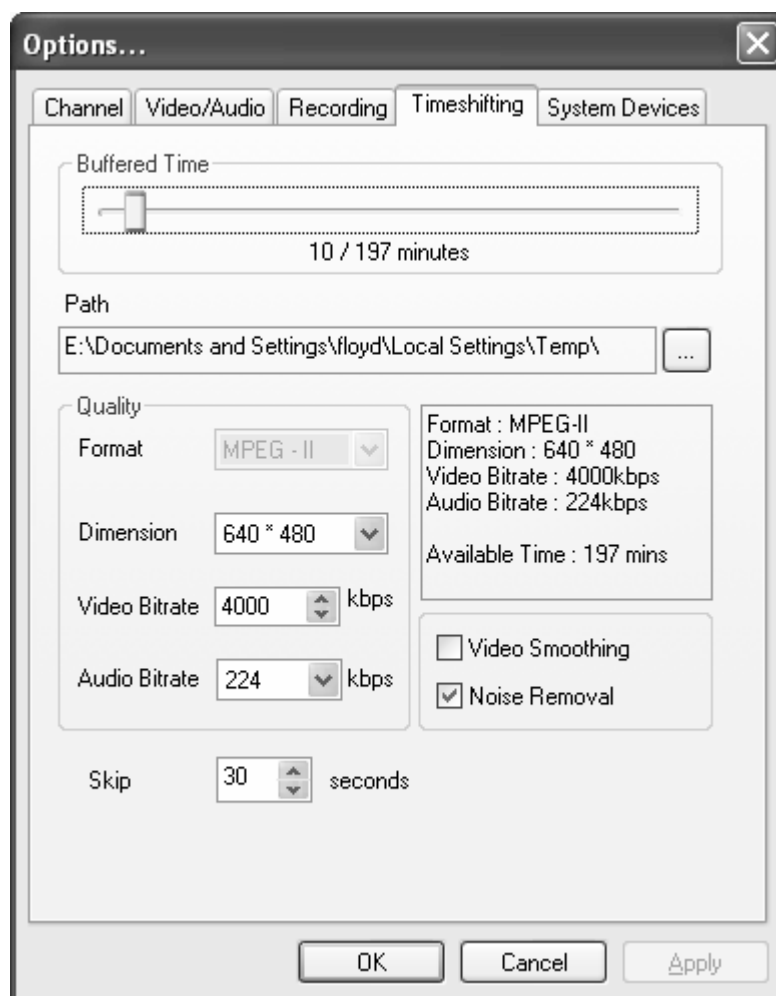
Set the amount of programming skipped, in seconds, when you press the **Replay** and **Advance** buttons during video playback.

Timeshifting Options

Here you can configure the Timeshifting operation.

Note

When using VideoMate Live, the timeshifting quality settings are taken from the MPEG Settings Options tabs, described on above.



Buffered Time

Set the amount of programming that is stored, or “buffered” during Timeshifting. It also shows the total recording time available.

Do not set the Buffered Time to consume all free disk space.

Buffer file storage location (Path)

Choose the folder where the Timeshifting buffer file is stored. Choose a folder in a disk partition with ample free disk space. See the video format table for estimates of the amount of disk space needed.

Quality

Quality settings are not available with VideoMate Live.

Choose the recording quality used during Timeshifting. Higher quality levels consume more disk space.

The appropriate quality setting depends on many factors, including the speed of your PC, the amount of free disk space, and the quality of source material. For example, when recording broadcast television for later viewing, a medium quality level is usually sufficient. If you plan to archive or edit the video, a higher video quality may be more appropriate.

Video Smoothing

Enable Video Smoothing, which makes the video quality smoother during timeshifting.

Noise Removal

Enable Noise Removal, which makes images more clear and clean.

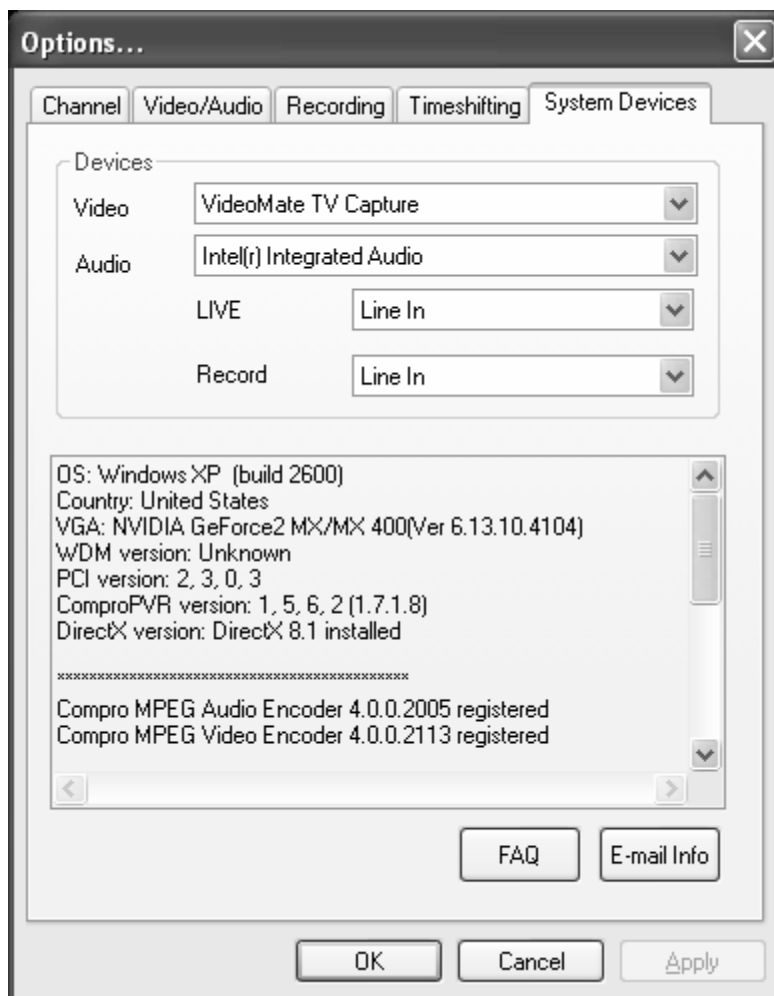
Video Smoothing and Noise Removal require significant system resources. If you experience poor picture quality during timeshifting, try disabling these features.

Skip

Set the amount of programming time skipped when you press the Advance and Replay buttons during Timeshifting.

System Devices Options

The System Devices tab displays Windows system and drivers information related to ComproPVR.



Video Device

When you use VideoMate Cinema, the video device should be "**nVidia WDM Video Capture.**"

If you are using VideoMate TV PCI Tuner card, the video device should be "**VideoMate TV Capture.**"

If you are using VideoMate Live, the video device should be "**VideoMate Live Source.**"

If you are using VideoMate For You, the video device should be "**DSF_VXIS7011.**"

Note:

You must select the proper Video and Audio devices for correct operation.

If you do not see the appropriate Video and Audio devices, the drivers are not properly installed. Please reinstall these drivers and see the chapter titled, "Troubleshooting."

Audio Device

ComproPVR automatically detects the audio input devices available in your system. Here, you must select the appropriate audio input devices for your system.

Note:

If you cannot see the audio device on the field, the sound card drivers are not properly installed. Please make sure that your sound card works normally.

LIVE

You can choose the audio source for watching live TV programs.

When using VideoMate Live or VideoMate For You, you should choose "Wave" to be your audio source.

If you are using VideoMate TV Gold Plus, use the internal audio patch cable to connect to the "**AUX-In**" port on your sound card and choose "**AUX-In**" in ComproPVR.

When using VideoMate Cinema or VideoMate TV tuner card with an external audio patch cable, connect to the "**Line-In**" port on your sound card and choose "**Line-In**" in ComproPVR.

If you connect the external audio patch cable to "**MIC**" on your sound card, you should use the "**Microphone**" for Audio input. For better quality, use "Line-In" or "Aux-In" instead.

Record

You can choose the audio source in this field while recording live programs. Normally, this audio source is the same as LIVE audio source.

Note:

If you are using VideoMate Live or VideoMate For You, there is no need to choose the recording audio source.

Support

Before contacting Compro for technical support, please check our FAQs (Frequently Asked Questions) on our website. Please see <http://www.comprousa.com/support>.

If you click on the **E-mail Info** button, ComproPVR will attempt to e-mail this information to the Compro Technical Support team. (support@comprousa.com).

When you contact the Compro Support team about a problem, please write enough details to help us determine the problem. Please also provide the product serial number (15 or 19 digits numbers) on the AV/Tuner Box or PCI TV tuner card. You can submit your problem in the support form provide by our website.

[http://comprousa.com/ support/form.htm](http://comprousa.com/support/form.htm)

Notes

Check the troubleshooting chapter of in this manual for more information before you submit an email for support.

When contacting us, providing the product serial number is important to helping us evaluate the problem. It tells us exactly which product you have.

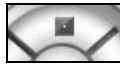
In order to solve the problem quickly, submitting the details about your problem is crucial to understanding the problem.

4 Using ComproPVR

Recording

ComproPVR is a digital video recorder. ComproPVR can record full-motion video and audio from your video source and save it to your hard disk. ComproPVR supports MPEG-1 and MPEG-2 encoding, which saves disk space while providing high video quality.

To instantly start recording:

1. Press the **Record** button . ComproPVR starts recording the video source currently showing in the display window. It will save it to a file on your disk.
2. Press the **Stop** button  to stop recording.
3. When you stop recording, ComproPVR prompts you to name the file containing the recorded video. Enter the name and press **OK**.

To playback the recorded file, press the **Play** button and select the file you wish to view.

Disk usage

The actual disk space used primarily depends on the quality settings for recording. A higher quality setting, e.g., DVD-quality, requires significantly more disk space than a lower quality setting, such as VCD-quality. The appropriate quality depends on the quality of the source material, e.g., DV camera versus broadcast TV, and your intended use of the recorded programming. For example, recording broadcast TV at DVD-quality may not provide better results than a lower setting, such as 1/2-DVD or SVCD.

Video File Formats Table

Format	Screen Size	Video Bit Rate (Mbps)	Audio Bit Rate (Kbps)	Typical Disk Usage
NTSC DVD	720*480	6.4	224	3 GB/hr
NTSC 1/2-DVD	352*480	3.6	224	1.7 GB/hr
NTSC 1/4-DVD	352*240	1.8	224	1 GB/hr
NTSC VCD	352*240	1.1	224	600 MB/hr
NTSC SVCD	480*480	2.2	224	1 GB/hr
NTSC PC MPEG-2	720*480	6.4	224	3 GB/hr
NTSC 1/4-PC MPEG-2	720*480	1.8	224	1 GB/hr
PAL 1/4-DVD	352*288	1.8	224	1 GB/hr
PAL VCD	352*288	1.1	224	600 MB/hr
PAL SVCD	480*576	2.2	224	1 GB/hr
PAL PC MPEG-2	720*288	4.0	224	2 GB/hr
PAL 1/4-PC MPEG-2	352*288	1.8	224	1 GB/hr

Note

You can adjust recording quality settings, and thus disk usage, in the **Recording Options** menu.

Choosing a higher quality level doesn't necessarily result in better video quality, for example, SVCD format is usually sufficient for recording broadcast TV programs.

Not all formats are available for all products.

Scheduled Recording

ComproPVR can be scheduled to record a TV program later or remind you of an upcoming program. The

schedule can be set for a one-time or a recurring session. You can repeatedly record any regularly scheduled programming. Relax. Never miss your favorite shows.

If your hardware supports Compro Power Up Scheduling, ComproPVR can wake your PC from the Shutdown (ACPI:S5) or Stand by (ACPI:S3) states.

Note

In order to enable scheduled recording from the Shutdown state, the Power Up power switch circuit connections must be properly connected.

Power Up Scheduling is only available with VideoMate TV Gold and Gold Plus.

Using Scheduled Recording

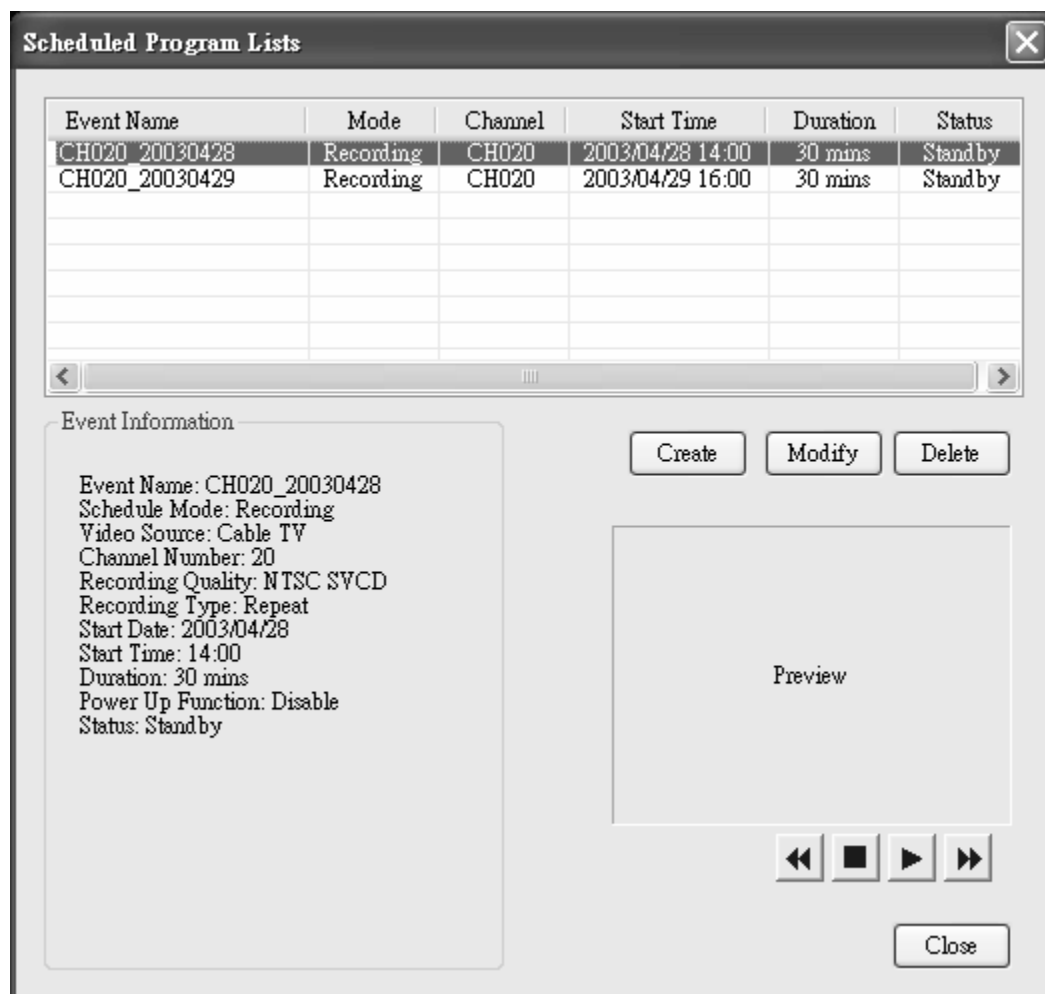
Press the icon  to open the **Schedule Recording** dialog box.

Scheduled Program Lists

Create: Create a new scheduled recording event.

Modify: Modify an existing recording event.

Delete: Delete an existing recording event.



Event Information: Shows details about your recording schedule.

Preview: You can choose the recorded schedule and press "Play" button to preview the file. Press "Stop" to stop the preview. Press "Forward" to fast-forward the preview. Press "Backward" to rewind the preview.

Scheduled Recording Settings

You can see the following after clicking **Create**.

The 'Scheduled Recording Settings' dialog box contains the following sections:

- Event Name:** A text field with 'CH013_20030815_1500' and a 'Format' button.
- Quality Settings:** A dropdown menu set to 'NTSC DVD'.
- Recording Settings:**
 - ☒ Enable automatic power up function
 - ☐ Enable automatic logon
 - After recording:**
 - ☒ Shut down the system
 - ☐ System stand by
 - ☐ Keep system power on
 - Scheduled Mode:** ☒ Recording, ☐ Reminder
 - Video Source:** Cable TV
 - Channel:** CH 013 *
 - Audio Mode:** ☐ Mono, ☐ Stereo, ☒ SAP
 - ☒ Mute speakers while recording
- Date/Time Settings:**
 - ☐ Once
 - ☒ Repeat
 - ☐ Sunday
 - ☒ Monday
 - ☐ Tuesday
 - ☒ Wednesday
 - ☐ Thursday
 - ☒ Friday
 - ☐ Saturday
- Date/Start Date:** 8/15/2003
- Start Time:** PM 03:00
- Duration:** 01:30
- Buttons: Weekday, Daily, Clear

Buttons: OK, Cancel

Event Name: Type the event name. The saved recording file will also use this name.

If you leave this field blank, ComproPVR will automatically create the **Event Name** and file name. The **Format** button lets you select the file name format.

Channel Number: Check this box to add channel numbers to the names of the recording files.

Start Date: Check this box to add the start date to the names of the recording files.

Start Time: Check this box to add the start time to the names of the recording files.

The 'Event Name Format' dialog box shows an example of a file name: 'CH030_20030428_1325'. Below the example, there are three checked checkboxes: 'Channel Number', 'Start Date', and 'Start Time'. At the bottom are 'OK' and 'Cancel' buttons.

Enable automatic power function: Check this box if you wish to use Power Up Scheduling function, i.e., wake up the computer from Shutdown or Stand by states for scheduled recording.

This option is available only if your hardware supports Power Up Scheduling.

Power Up will start your computer 5 minutes in advance of the scheduled time. If you set schedule to 4 o'clock, Power up will wake up your computer at 3:55. Therefore, you need to shut down the computer before 3:54 in order to let Power Up start the computer.

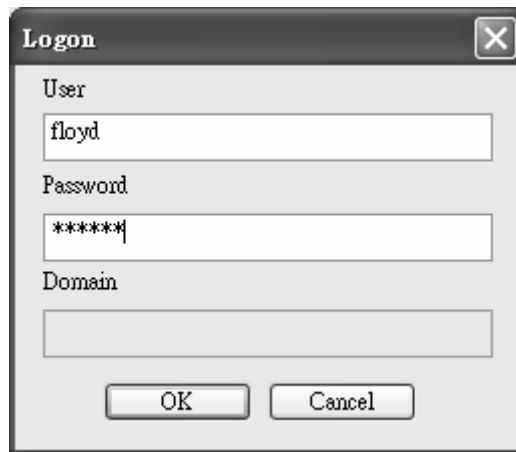
There are three possible actions after recording is complete:

- **Shut down the system:** After recording, shut down the system.
- **System stand by:** After recording, put computer in stand by mode.
- **Keep system power on:** After recording, do not shutdown system.

Enable automatic logon: When using Power Up Scheduling, ComproPVR will start Windows. If Windows requires you to enter a username and password during start up, you should check this box and enter the required information.

This option will be grayed out if your hardware doesn't support Power Up Scheduling.

If "Enable automatic logon" is checked, you will see a popup window.



There are three fields in the Automatic Logon window.

- **User:** ComproPVR will detect your current user name automatically. Unless you wish to logon by a different user, there is no need to change it.
- **Password:** Type in your password.
- **Domain:** ComproPVR will automatically detect your Windows Domain name, if any. In most home PCs, this field will be blank and need not be changed. (See Note below). **Do not modify** this field unless you need to logon to a different Windows Domain during the Power Up process.

Press the OK button to proceed.

Notes

Enabling the automatic logon function is only necessary when you need to type user name and password to logon to Windows.

The Windows Domain name is not the Internet domain name that you may be familiar with, e.g., Yahoo.com. Windows Domains usually only exist in business networks. For most users, this field should be left blank.

Your password will be stored on your computer. There is a chance that your password could be discovered by another user

The ComproPVR does not use the logon information for any other purpose.

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Recording Settings

Schedule mode: There are two ways to set the schedule.

- **Recording:** At the set time, ComproPVR starts recording the program.
- **Reminder:** At the set time, ComproPVR starts showing the program without recording it.

Video Source: Select video source from CATV or Antenna.

Channel: Select the channel you want to record.

Audio mode: Select the audio source you want to record.

Mute speakers while recording: Check this box to mute speakers while recording. This feature is useful if the program is to be recorded while you are asleep.

Quality Settings

Quality settings: Select the video quality at which you wish to record. Refer to the Video File Formats Table (page 30) to better understand the relationship between video quality and disk usage.

Date/Time Settings

Once: Select this to record this program once.

Repeat: Select this to record this program repeatedly. You can select any kind of combination in a week to record the programs repeatedly. You can press **Weekday** or **Daily** button to select multiple days. Press **Clear** to uncheck the boxes.

Date/Start Date: Select the date you want to record the program or the start date for repeat scheduling.

Start time: Select the starting time for recording.

Duration: Amount of programming to be recorded.

OK: Click it to add this schedule.

Notes

Check your PC system clock for accuracy.

The ComproPVR scheduler program must be running (orange circle visible in the system tray).

Timeshifting

Timeshifting lets you pause, replay, or skip commercials during live TV, without interrupting an ongoing recording session. Timeshifting gives you absolute control over how you watch television, like never before. For example, you watch your favorite sporting event, pause the live action and help yourself to an ice-cold beverage from the fridge.

Timeshifting temporary saves the video to your hard disk for a specified period of time.

When you return to your seat, you can resume viewing the program from the point when you left.

Note

Timeshifting can use significant disk space and cannot automatically skip commercials.

Additional Discussion

In timeshifting, you are recording to and playing back from the same video file or buffer. You can playback from various locations in that buffer.

Similar to video playback, you can pause, fast-forward, and rewind. A major difference, however, is that ComproPVR is simultaneously recording live television. This means you will see greater CPU utilization during timeshifting because you are simultaneously recording and playing recorded videos. At full DVD quality, timeshifting can require up to a 1.7 GHz CPU.

ComproPVR User's Guide

Timeshifting and Playback modes also differ in that Timeshifting lets you pause and replay live TV while Playback only allows you to replay a previously recorded program.

Using Timeshifting

Press the **Timeshifting**  button and the Time Monitoring bar will appear. (See below.)



The Time Monitoring bar informs you of how much of the timeshifting buffer is in use. You can also use your mouse to drag the Time Control Shuttle to jump to a specific time in the program.

You may also press the **Advance** (for commercial skip) and **Replay** (for instant replay) buttons on the control panel or remote control to navigate through the program.

Playback

ComproPVR can play recorded video files.

Press the **Play** button to open the **Play** dialog box. Highlight the file name in the program list, double-click or press **Play** to start playback.

During playback, the display area of the control panel provides information about the currently playing program and provides playback control functions.

To delete a recorded program, open the Play dialog box, highlight the file name on the program list, and press the **Delete** button.

Still Image Capture

Click on the capture icon  on the control panel or press the keyboard shortcut "P" to capture an image of the display window.

A screen capture dialog will appear. Click on the **Save** to save the screen capture to a file. Click on **View** to view the image in your default image viewer. Click on **Edit** buttons to edit the file in your default image editing application.

The screen capture image size is fixed at 640 x 480.

Channel Surfing

You must configure the TV and Channels properties before using the Channel Surfing features.

Channel Browsing

When watching TV, you can browse channels with the **Channel Down**  and **Channel Up**  buttons to scroll up and down through the available, enabled channels.

The keyboard shortcuts **Page Up** and **Page Dn**, and the Compro remote control can also be used.

Jump directly to the desired channel by using the number pad on your keyboard or remote control.

The **Last Channel**  (recall) button jumps back to the previously selected TV channel.

If the On-Screen Display function is enabled on the Display Options page, channel information will appear briefly in the corner of the display window as you switch channels.

Note

Some channel numbers may not be available. Check the Channels Options section, page 12, for more information on editing the list of enabled channels.

Channel Surfing

While watching TV, the channel surfing feature displays a 4x4 grid of channel images to give you an overview of available programming.

To start the channel surfing feature, press the **Channel Surfing**  button on the ComproPVR control panel. Thumbnail images will begin to appear in the display window. With your mouse, click on the program you wish to watch and you will exit surf mode. You can also return to normal mode by clicking on the **Channel Surfing** button again.

You can reduce the number of channels displayed during surf mode, by disabling channels from the channel list in the Channels Options dialog. Doing so also prevents access to those channels with the channel UP and DOWN buttons.

Closed Captioning (USA only)

The closed captioning feature is used to display overlaid text captions. This feature is only available with programming that provides Closed Captioning.

Press the **Closed Caption**  button to enable or disable closed captioning. If supported, the overlaid text captions will be displayed.

Teletext (PAL TV systems only)

ComproPVR includes Teletext display capabilities. Press the  button to activate Teletext functions. Availability of specific Teletext features depends on your local TV broadcasters.

Browse the Compro Support Web Page

Pressing the  button will open a browser window and displays the Compro Support web page. Compro technical support web pages are here.
<http://www.comprousa.com/support>

5 ComproFM

ComproFM lets you enjoy FM radio programs on your PC, with your VideoMate TV Gold+ card. Listen to music or other programs while you work or browse the Internet.

You can also record your favorite programs to MP3, WMA, and WAV formats for later playback on your PC or other MP3 player (purchased separately).

ComproFM is only available with VideoMate Gold Plus.

Key Features

- Supports VideoMate TV Gold Plus PCI Tuner Card.
- Listen to and record live FM programs.
- Focus on ease-of-use by providing user interfaces that resemble those you are already familiar with, including wireless remote control.
- Capture audio from any station and encode them to WAV, WMA or MP3 formats.

Control Panel

The ComproFM control panel resembles the controls on a radio. Keep in mind that not all options are available at all times, and may be grayed out or inaccessible, depending on your hardware setup and FM services available.



ComproPVR User's Guide

ICON	Keyboard Shortcut	Description
	Z	Minimize ComproFM
	Ctrl-W	Exit ComproFM
	Page Up	Station Up - Jump up to next pre-set station
	Page Down	Station Down - Jump down to next pre-set station
	N	Last station - Jump back to last selected station
	R	Record - Start recording FM audio program to system
	F1	Online Help System - Open HTML help file
	Ctrl-A	Always on top
	K	Random access button
	Ctrl-S	Stereo/Mono switch
	S	Properties - Open FM radio properties window
	M	Mute - Press to mute or restore sound
	I	About window - Shows ComproFM radio version and copyright information
	E	Open a browser window and go to the Compro web site.
	Space Bar	Play - Begin playback of recorded program
	O	Stop - Stop current action, e.g., recording, playback, Timeshifting.

ICON	Keyboard Shortcut	Description
	Right Arrow Key	Channel searching / Forward when playing audio files
	Left Arrow Key	Channel searching / Backward when playing audio files
	Space Bar	Pause - Suspend playback
	n/a	Show/Hide number pad
	+, -	Volume Control - Increase or decrease sound intensity

Recording

ComproFM is also a digital audio recorder. ComproFM can record FM programming and save it to your hard disk. ComproFM supports several encoding methods, letting you choose between high quality and economical use of disk space.

To instantly start recording:

1. Press the **Record** button . ComproFM starts recording the audio currently showing in the display window. It will save it to a file on your disk.
2. Press the **Stop** button  to stop recording.

ComproPVR User's Guide

3. When you stop recording, ComproFM prompts you to name the file containing the recorded video. Enter the name and press **OK**.

To playback the recorded file, press the **Play** button and select the file you wish to listen to.

Disk usage

The actual disk space used primarily depends on the quality settings for recording. A higher quality setting, e.g., CD-quality, requires significantly more disk space than a lower quality setting, such as MP3-quality.

ComproFM On-Line Help

For more details about ComproFM, please see the ComproFM User's Guide on your Compro software CD or see the ComproFM on-line help.

Alternatively, you may download the Guide from our website. <http://www.comprousa.com/download>

Browse the Compro Web Site

Pressing the  button will open a browser window and display the Compro Support web page. Compro technical support web pages are here.
<http://www.comprousa.com/support>

6 Troubleshooting

Driver Installation

The most common cause of problems with ComproPVR is incorrect **installation** of the **WDM** drivers or TV Tuner card drivers. If you have problems watching, recording, or timeshifting live TV, please check the status of the WDM drivers or TV Tuner card drivers with Device Manager.

VideoMate Cinema

When using **VideoMate** Cinema, you should see four WDM drivers on the “Sound, video and game controllers” section of Windows Device Manager. They are:

- nVidia WDM A/V Crossbar
- nVidia WDM TV Audio Crossbar
- nVidia WDM TV Tuner
- nVidia WDM Video Capture (universal)



VideoMate TV Tuner card

If you are using the Compro PCI Tuner card, you should see

- VideoMate TV Capture
- VideoMate TV Tuner

drivers, in the "Sound, video and game controllers" section of Windows Device Manager.



If these drivers are not **there**, uninstalling and reinstalling the VideoMate TV drivers or WDM drivers can help. Use the Add/Remove Programs in Control Panel applet to uninstall the old drivers if you see the icon. Then reinstalling the drivers should fix this problem.

Error Code: 0x1000006

This error code **generally** indicates a WDM driver installation problem. Please uninstall and reinstall the drivers, as described above.

If the problem **persists after** the reinstallation process, your problem could be caused by an IRQ conflict.

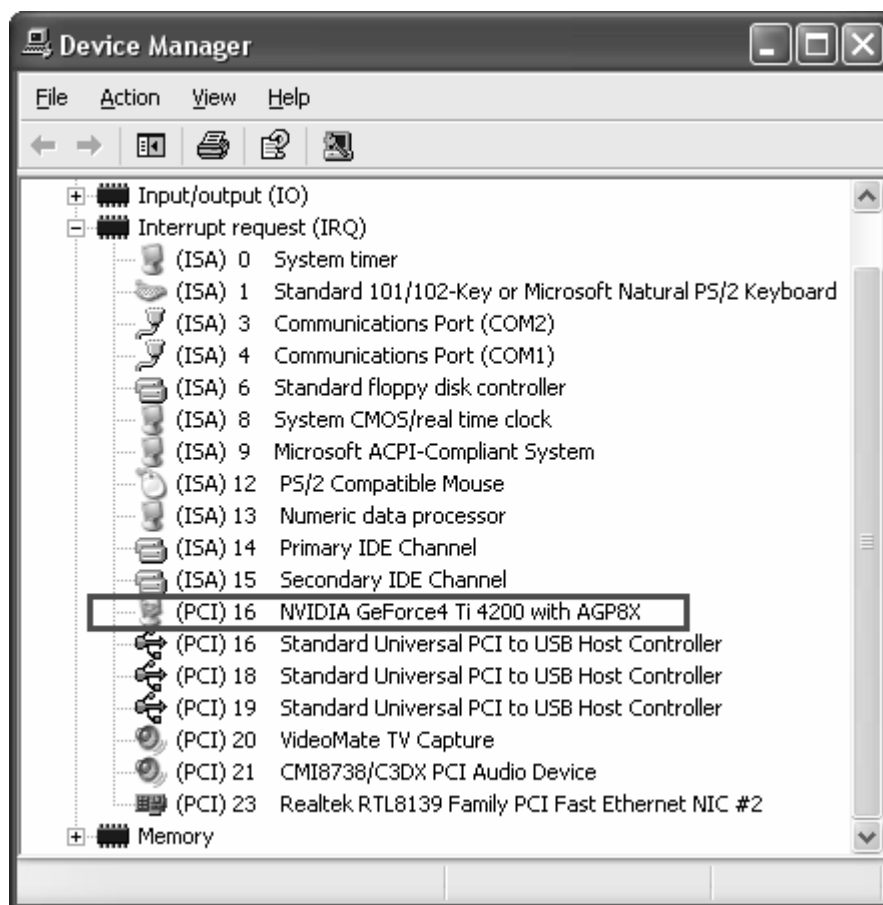
IRQ conflicts occur when other devices, in your computer e.g., network or sound cards, share the same IRQ with your TV tuner card or graphics card.

Please try the following to avoid this problem.

VideoMate Cinema

Please open the Device **Manager** and choose "View -> Resource by type." Click on the "+" besides "Interrupt request (IRQ)."

You should see the following.



Make sure no other **device** is using the same IRQ number as the graphics card.

If some **devices** are using the same IRQ, removing the conflicting devices can help. For example, unplug USB devices such as USB printer, USB disks, etc.

ComproPVR User's Guide

Then reinstall the WDM **drivers** and restart ComproPVR.

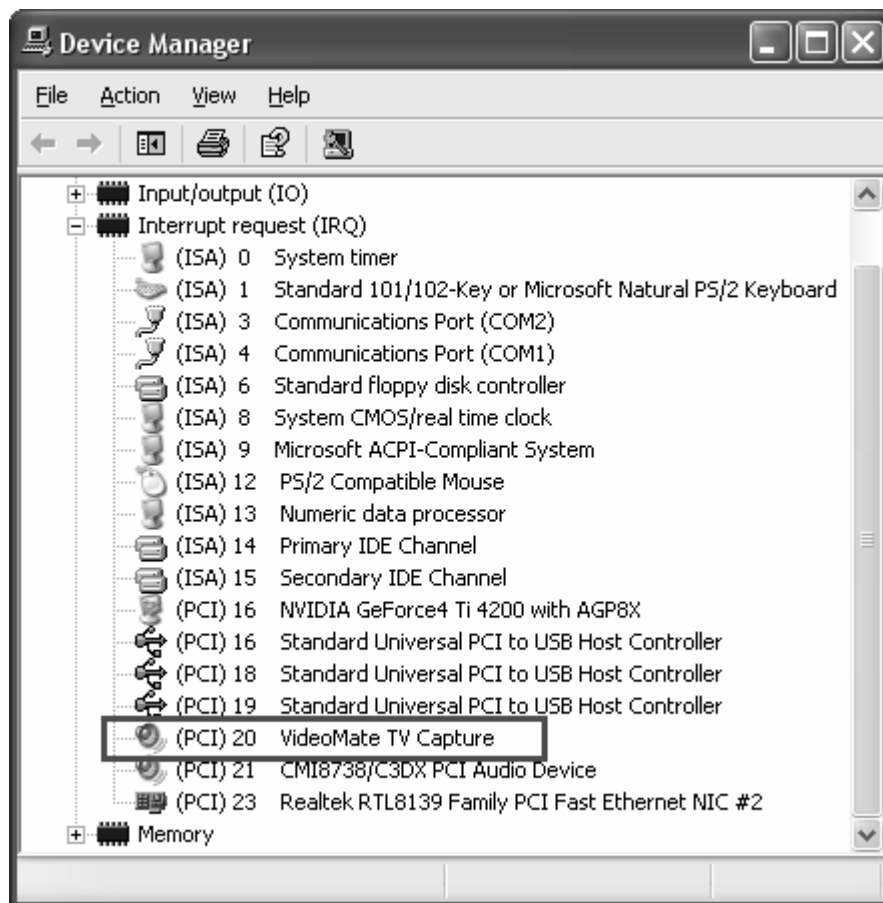
If the problem **persists**, you should try removing conflicting more devices. These devices are typically other PCI cards. Verify that the graphics card is using an independent IRQ by checking Windows Device Manager.

After you can **successfully** use ComproPVR, install the other devices one at a time. Restart your system and test ComproPVR after installing each card.

VideoMate TV Tuner card

To **determine** if there is an IRQ conflict, please open the Device Manager and choose View -> Resource by type. Click on the "+" mark next to "Interrupt request (IRQ)."

You should see the following.



Make sure there is no other device using the same IRQ as VideoMate TV card.

If some devices are **sharing** the same IRQ, remove the other PCI devices and move the TV tuner card to the fourth PCI slot away from the AGP slot, if possible.

Then reinstall the TV card drivers. This usually solves the problem.

Try running ComproPVR again.

If the problem **persists**, move the PCI TV Tuner card to another PCI slot. Make sure the PCI TV card is using an independent IRQ by checking Windows Device Manager.

After you can **successfully** use ComproPVR, install the other PCI devices one at a time. Restart your system and test ComproPVR after installing each card.

Note

Networking, sound, and SCSI cards need IRQs. If they use the same IRQ, you may encounter a similar problem.

Audio OK / No Video

The main reason for this **problem** usually is the result of an IRQ conflict. Please see **Error Code: 0x1000006**, above, to solve it.

Video OK / No Audio

If you can **view** the TV picture but get no audio, you should check the following:

Check the **Windows** Volume Control dialog for muted sound or volume levels that are too low. (Double-click on the speaker icon in the system tray to see the Volume Control dialog.)

If you are using an **external** audio patch cable, verify that it is connected between the Audio-Out of TV tuner card and Line-In of your sound card and that you selected the audio source to be "Line-In." If using the **internal** audio patch cable, check that it is connected between the internal Audio-Out of the TV tuner card and AUX-IN of your sound card and that you selected the audio source to "AUX."

If you are using VideoMate Live or VideoMate For You, make sure you select the audio source to "Wave."

Please refer to your hardware installation guides for more information.

No audio on the recorded file

This may be a result of choosing the wrong record audio source in the System Device in ComproPVR Settings.

If you are using an **external** audio patch cable, verify that it is connected between the Audio-Out of TV tuner card and Line-In of your sound card and that you selected the audio source to be "Line-In." If using the **internal** audio patch cable, check that it is connected between the internal Audio-Out of the TV tuner card and AUX-In of your sound card and that you selected the audio source to "AUX."

If you are using VideoMate Live or VideoMate For You, make sure you select the audio source to "Wave."

Check the **ComproPVR** in the Record tab of Settings dialog for recording volume levels that is not too low.

[The Recording and Live audio inputs are normally the same.]

Poor live picture quality while recording

Update your video card drivers. Please visit the support web site of your video card vendor. If you still have problems, please install the latest ComproPVR patch from our website.

Recorded file cannot be played

The main reason for this problem usually is the result of installing other CODEC software like Nimo. This kind of software forces applications to use their CODEC for playback. Therefore, the recorded file cannot be played since a different CODEC is being used for playback. Reinstalling DirectX usually solves the problem. If you still have problems, uninstall the CODEC software.

Recorded file lags while playing back

Video recording uses significant CPU resources. If CPU usage hits 100% while recording, the quality of your recordings may suffer. If this happens, close other applications while recording or use a lower recording resolution, such as VCD or SVCD formats.

ComproPVR shuts down when starting to record

This could be the result of an IRQ conflict. Please check **Error Code: 0x1000006**, above, to solve it. This may also happen when your system is unstable, such as when overclocking. Please reset your system to the default settings. Other times, the cause is interference from other applications. Please close them to solve the problem.

My system cannot Power Up

First, you need hardware that supports Power Up, such as, VideoMate TV Gold or Gold Plus.

Second, make sure you connect the Power Up circuit. Please refer the installation guide for more information.

Third, make sure you see a green LED lid on the VideoMate TV Gold or Gold plus tuner card. If you didn't see the green light, your motherboard does not support the standby power. You can only use Power Up with motherboards that provide standby power.

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Fourth, Power Up will start your computer in advance of 5 minutes before the schedule time. If you set schedule on 4 o'clock, Power up will wake up your computer on 3:55. Therefore, you need to shut down the computer before 3:54 in order to let Power Up start the computer.

Fifth, make sure you have the correct schedule time, Also, verify your system time or clock.

Finally, it is possible that your power supply doesn't provide the standard 5V standby power. Therefore, changing your power supply might help.

Contacting Compro Technical Support

Before you submit an email for support, please check our FAQs at <http://www.comprousa.com/support>

When contacting Compro for technical support, please use the Compro support request form and provide as much of the requested information as possible. Please write the details in order to determine the problem. And also provide the product serial number (15 or 19 digits numbers) on the Tuner Box or the PCI card. Please use the form from below.

<http://comprousa.com/support/form.htm>